

METHODS AND APPARATUS FOR DIRECTING AN AIR STREAM THROUGH A
CIRCUIT BOARD ASSEMBLY

ABSTRACT OF THE DISCLOSURE

5 An air stream distribution apparatus directs portions of an air stream, at
substantially ambient temperatures, to serially arranged circuit board components of a
circuit board assembly. The air stream distribution apparatus splits an incoming air
stream into air stream portions and directs each air stream portion toward each serially
arranged circuit board component. Such direction of the portion of the air stream, by
10 the air stream distribution apparatus, minimizes overheating and failure of the circuit
board components. Furthermore, the air stream distribution apparatus minimizes a
decrease in the pressure of the air stream as the air stream travels from the air stream
source. The air stream distribution apparatus, therefore, ensures that circuit board
components located at relatively large distances from the air stream source receive air
15 from the air stream to minimize overheating and potential failure.